



PTO/SB/08a (07-05)

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Instructions for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

## **Complete if Known**

Application Number 10/561,774  
Filing Date 12/20/2005  
First Named Inventor Alexander Borck  
Art Unit  
Examiner Name  
Attorney Docket Number 117163.00155

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US: 4,582,865	04/15/1986	Balazs et al.	
	AB	US: 4,957,744	09/18/1990	della Valle et al.	
	AC	US: 5,510,121	04/23/1996	Rhee et al.	
	AD	US: 5,550,187	08/27/1996	Rhee et al.	
	AE	US: 6,042,876	03/28/2000	Mark E. Deem	
	AF	US: 6,129,956	10/10/2000	Morra et al.	
	AG	US: 5,964,794	10/12/1999	Bolz et al.	
	AH	US: 2004/0091605 A1	05/13/2004	Bayer et al.	
	AI	US: 2005/0176678 A1	08/11/2005	Horres et al.	
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## **FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number * Kind Code <sup>4</sup> (if known)				
	BA	DE 101 35 676 A1	02/06/2003	Hoppe et al.		
	BB	DE 102 21 055 A1	11/27/2003	Hoffmann et al.		
	BC	DE 196 30 563 A1	09/25/1997	Bolz et al.		
	BD	EP 0 544 259 A1	06/02/1993	Uragami et al.		
	BE	EP 0 970 711 A2	01/12/2000	Hossainy et al.		

Examiner Signature	/Gregory Clark/	Date Considered	09/29/2008
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Attorney Docket Number	117163.00155

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		US-			
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	BF EP	1 364 664	A1	11/26/2003	Bayer et al.	
	BG WO	00/46252	A1	08/10/2000	Zhao et al.	
	BH WO	00/56377	A1	09/28/2000	Wan et al.	
	BI WO	01/41827	A1	06/14/2001	Malik et al.	
	BJ WO	03/094990	A1	11/20/2003	Horres et al.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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First Named Inventor Alexander Borck  
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### FOREIGN PATENT DOCUMENTS

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	BK	WO 88/02623	A1 04/21/1998	Patrick E. Guire		
	BL	WO 90/00887	A1 02/08/1990	Guire et al.		

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Substitute for form 1449B/PTO				<b>Complete if Known</b> <b>Application Number</b> 10/561,774 <b>Filing Date</b> 12/20/2005 <b>First Named Inventor</b> Alexander Borck <b>Art Unit</b> <b>Examiner Name</b> <b>Attorney Docket Number</b> 117163.00155	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)					
Sheet	1	of	1		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	CA	DENUZIERE ET AL., "Chitosan-chondroitin sulfate and chitosan-hyaluronate polyelectrolyte complexes: biological properties," Biomaterials, Elsevier Science Ltd., p. 1275-1285, (1998).		
	CB	LIM ET AL., "Preparation and evaluation of the in vitro drug release properties and mucoadhesion of novel microspheres of hyaluronic acid and chitosan," Journal of Controlled Release, Elsevier Science B.V., Vol. 66, p. 281-292, (2000).		
	CC	PAPAKONSTANTINO ET AL., "A 340 kDa hyaluronic acid secreted by human vascular smooth muscle cells regulates their proliferation and migration," Glycobiology, Oxford University Press, p. 821-830, (1998).		
	CD	MULLOY ET AL., "The effect of variation of substitution on the solution conformation of heparin: a spectroscopic and molecular modelling study," Carbohydrate Research, Elsevier Science B.V., Vol. 225, p. 1-26, (1994).		
	CE	JASEJA ET AL., "Novel regio- and stereoselective modifications of heparin in alkaline solution. Nuclear magnetic resonance spectroscopic evidence," Can. J. Chem., Vol. 67, p. 1449-1456, (1989).		
	CF	OGAMO ET AL., "Reactivity toward chemical sulfation of hydroxyl groups of heparin," Carbohydrate Research, Elsevier Science Publishers, B.V., Amsterdam (The Netherlands), Vol. 193, p. 165-172, (1989).		
	CG	AYOTTE ET AL., "N.M.R. Spectroscopic observations related to the function of sulfate groups in heparin. Calcium binding vs. biological activity," Carbohydrate Research, Elsevier Science Publishers, B.V. (The Netherlands), Vol. 145, p. 267-277, (1986).		
	CH	NAGASAWA ET AL., "Solvolytic desulfation of Glycosaminoglycan sulfates with dimethyl sulfoxide containing water or methanol," Carbohydrate Research, Elsevier Scientific Publishing Company, Amsterdam (Belgium), Vol. 58, p. 47-55, (1977).		
	CI	DANISHEFSKY ET AL., "Investigations on the chemistry of Heparin. I. Desulfation and Acetylation," Journal, Archives of Biochemistry and Biophysics, Vol. 90, p. 114-121, (1960).		

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